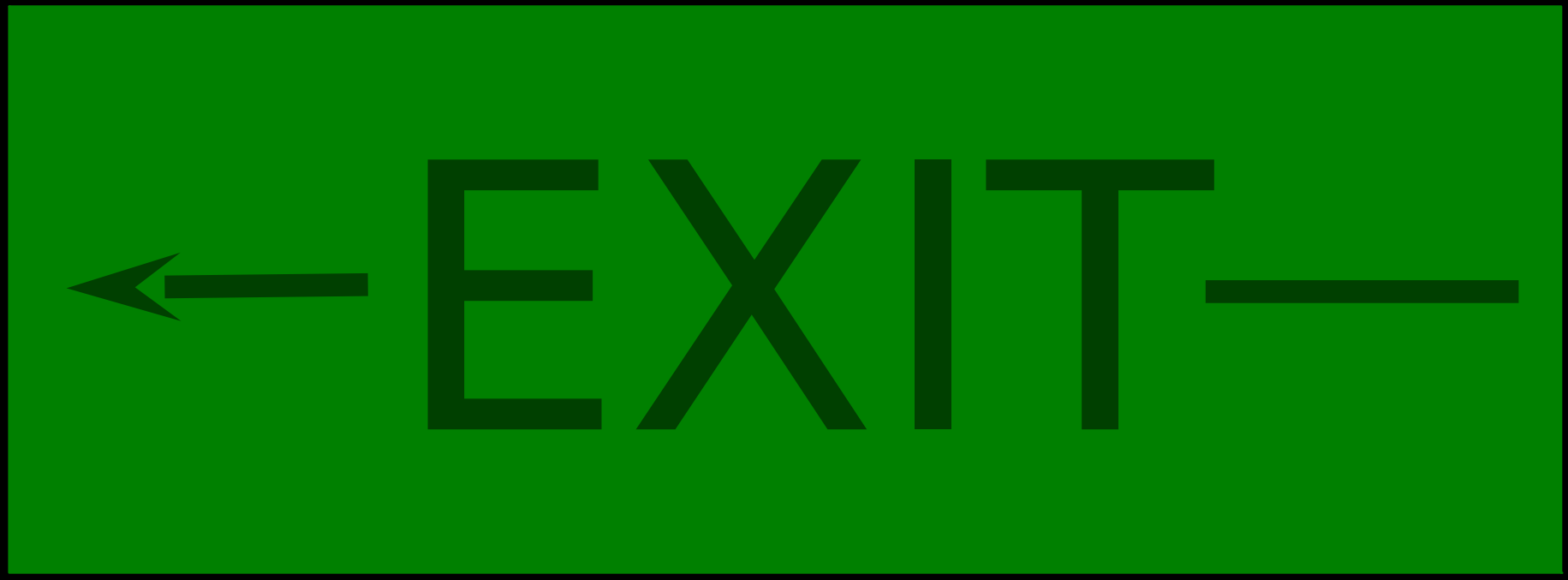


Emergency Egress

ENABLING OBJECTIVES

- DESCRIBE THE PURPOSE, FUNCTION, COMPONENT PARTS, OPERATING CHARACTERISTICS, SAFETY PRECAUTIONS & MAINTENANCE REQUIREMENTS FOR THE EEBD
- DESCRIBE THE ALLOWANCE & STOWAGE REQUIREMENTS FOR EEBD'S ABOARD SHIP
- DESCRIBE THE ALLOWANCE & STOWAGE REQUIREMENTS FOR SEEDS ABOARD SHIP

ENABLING OBJECTIVES

- DESCRIBE the purpose, function, component parts, operating characteristics, safety precautions & maintenance requirements for the Supplementary Emergency Egress Device (SEED)
- DESCRIBE the purpose & requirements for use of Photoluminescent Paint aboard ship

TEN COMMANDMENTS OF DAMAGE CONTROL

❶ KEEP YOUR SHIP WATERTIGHT

- DO NOT VIOLATE MAT'L CONDITION
- HAVE CONFIDENCE IN YOUR SHIP'S ABILITY TO WITHSTAND SEVERE DAMAGE

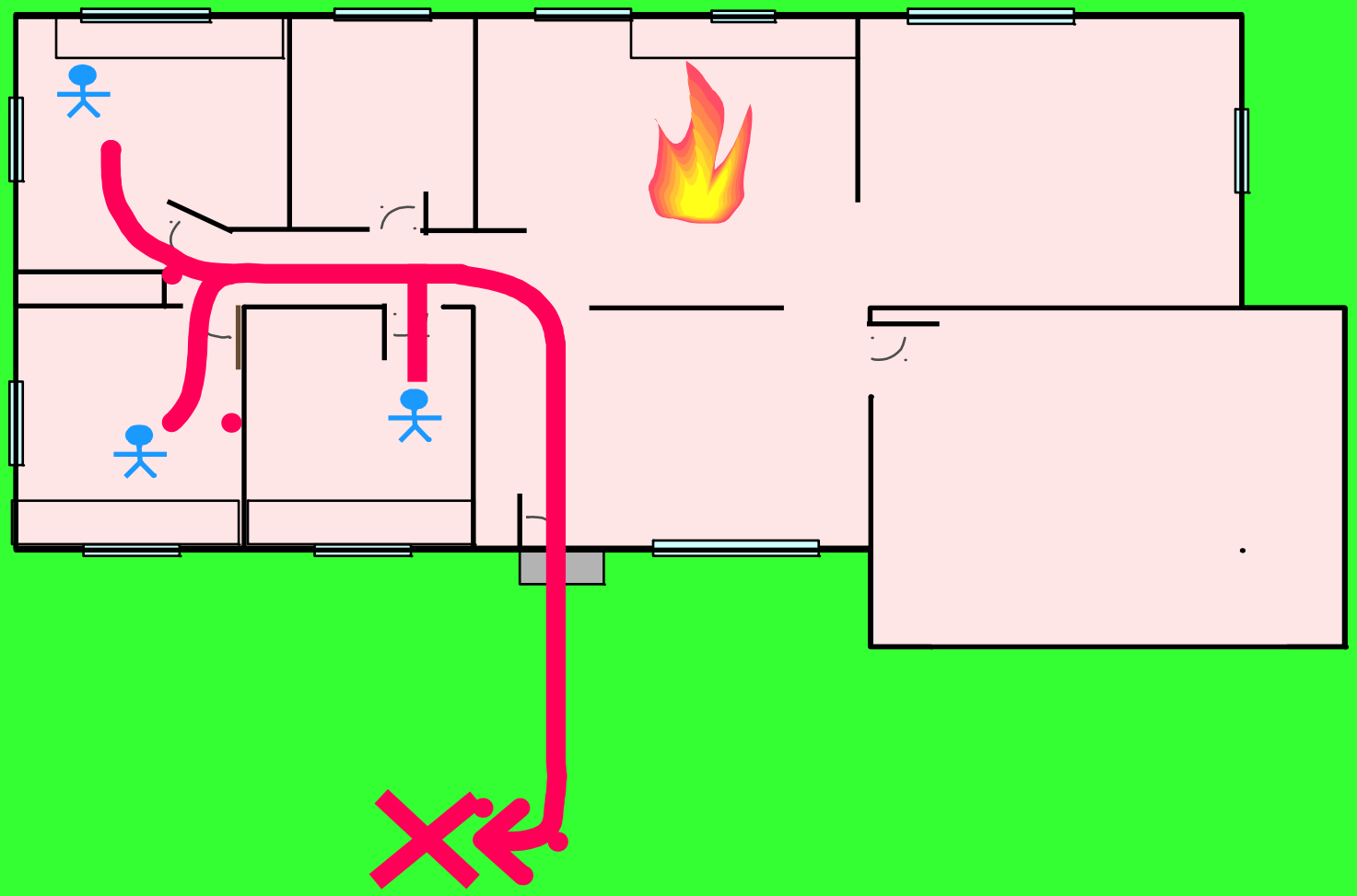
❹ ***KNOW YOUR WAY AROUND -- EVEN IN THE DARK!***

- **KNOW HOW TO USE & MAINTAIN DAMAGE CONTROL EQUIPMENT**
- **REPORT DAMAGE TO THE NEAREST DCRS**
- **KEEP PERSONAL ARTICLES PROPERLY SECURED**

TEN COMMANDMENTS OF DAMAGE CONTROL

8. PRACTICE PERSONAL DAMAGE CONTROL. PROTECT YOURSELF SO YOU CAN PROTECT YOUR SHIP!
- TAKE EVERY POSSIBLE STEP TO SAVE THE SHIP AS LONG AS A BIT OF HOPE REMAINS.
- KEEP COOL; DON'T GIVE UP THE SHIP!

Escape Route



EMERGENCY EGRESS

- Personnel **must** perform Emergency Egress within 96 hours after arriving onboard and every 6 months thereafter
- Document on PQS Boards

PHOTOLUMINESCENT PAINT

- Primary purpose:
  - Provide rapid Emergency Egress information
  - Identify locations of selected DC systems & Equipment
- Use paint or preformed signs
- 3-M Corporation sole provider for signs
- Ref: NSTM 079 Vol 2 pgs 18 - 23

Emergency Escape Breathing Device

(EEBD)

EEBD Description

Self-contained Breathing Device

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Self-contained Breathing Device

Non-rechargeable, Non-repairabl

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

Provides flash and eye protectior

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

Provides some flash and eye protection

Weighs 5 pounds

EEBD Description

Self-contained Breathing Device

Non-rechargeable, Non-repairable

Provides 15 minutes of Oxygen

Provides some flash and eye protection

Weighs 5 pounds

Components

Hood

- Nomex Shell
- Clear Viewing Window
- Elastic Neck Seal
- Support Harness

Components

Nomex Shell

Provides flash protection

Similar material to shell of the FFE

Includes no thermal barrier

Components

- Clear Viewing Window
  - Permits vision
  - NOT flame resistant

Components

- Elastic Neck Seal

One size fits all

No clothing or hair

Components

- Support Harness

  Automatically adjusts to fit

  Supports life support pack

Components

Life Support Pack

- Oxygen Generator
- Carbon Dioxide Scrubber
- Relief Valve

Components

- Oxygen Generator

Breakdown of Sodium Candle

By-products are salt and heat

Operates for 15 minutes

Components

- Carbon Dioxide Scrubber

Reacts with Lithium Hydroxide

By-products: ?

Operates until reactant is exhausted

DONNING PROCEDURES

- OPEN CASE & REMOVE DEVICE
- OPEN VACUUM BAG
- PULL OUT ACTIVATING RING
- LISTEN FOR “HISSING” SOUND
- GRASP HOOD WITH THUMBS IN ELASTIC NECK BAND AND STRETCH OPEN
- PULL HOOD DOWN ON FOREHEAD

SAFETY PRECAUTIONS

- Stay away from flames for a minimum 15 Minutes (recommended) due to O2
- Avoid neck seal leakage
- Unit is hot to touch
- Use for egress only **not** firefighting
- When activated, ensure no flames are present

AFLOAT SAFETY INFORMATION FOR MAY 1997

- **Area of discrepancy:**
- Use, care, and maintenance of Personal Protective Equipment
- "EEBD donning & operation knowledge is low"
- "Photoluminescent paint markings were missing or worn"

Allowances

Ship's Complement	150%
Embarked Personnel	100%

Stowage

Berthing Compartments 100%

(One EEBD for each sleeping surface)

Stowage

Main Engineering Spaces

200% of maximum manning

(Two EEBD's per each GQ watchstander)

Shelf Life

United States Navy 16 Years

Manufacture date stamped on
Humidity Indicator Card

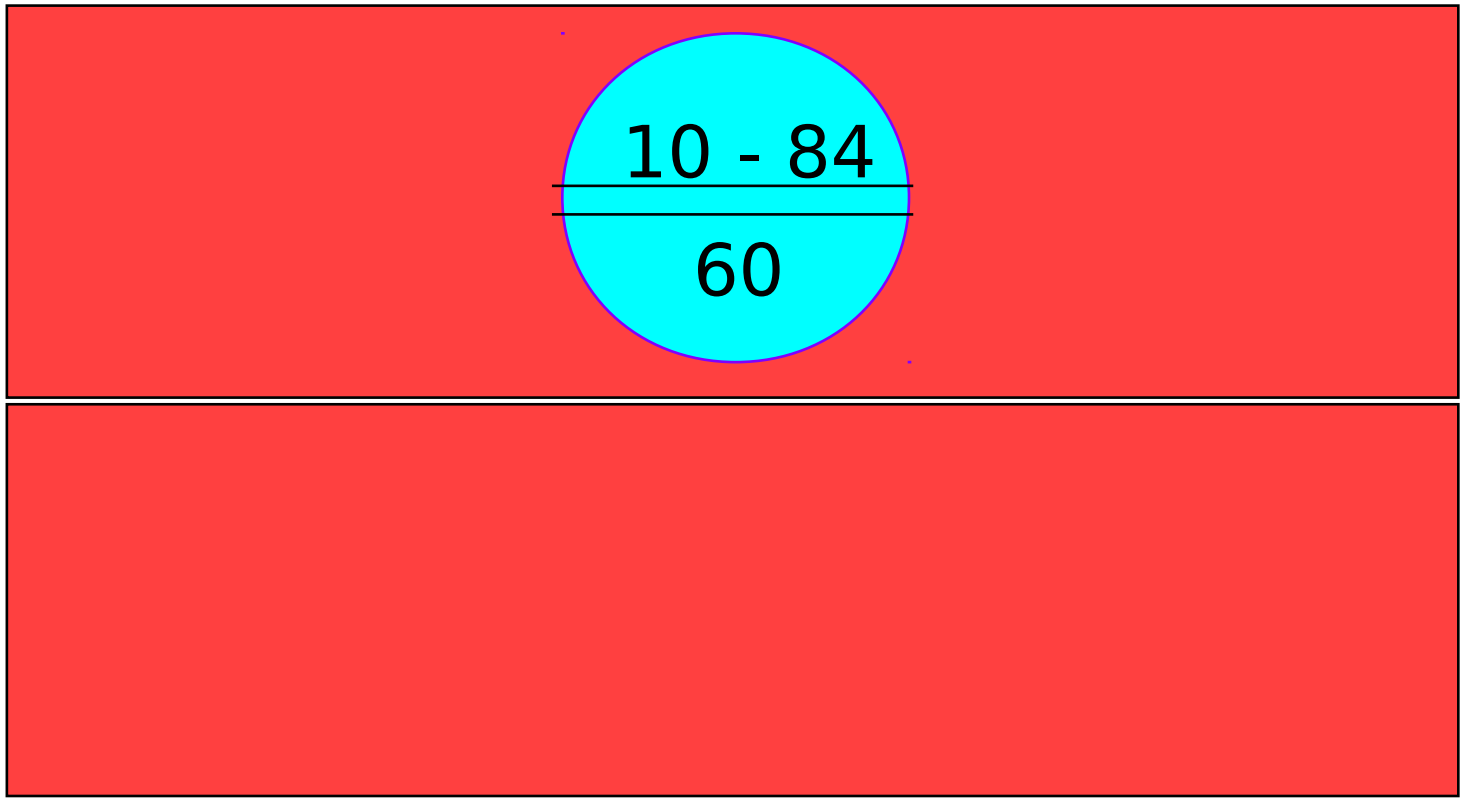
Required Modification to humidity card

$$\frac{10 - 84}{60}$$

or

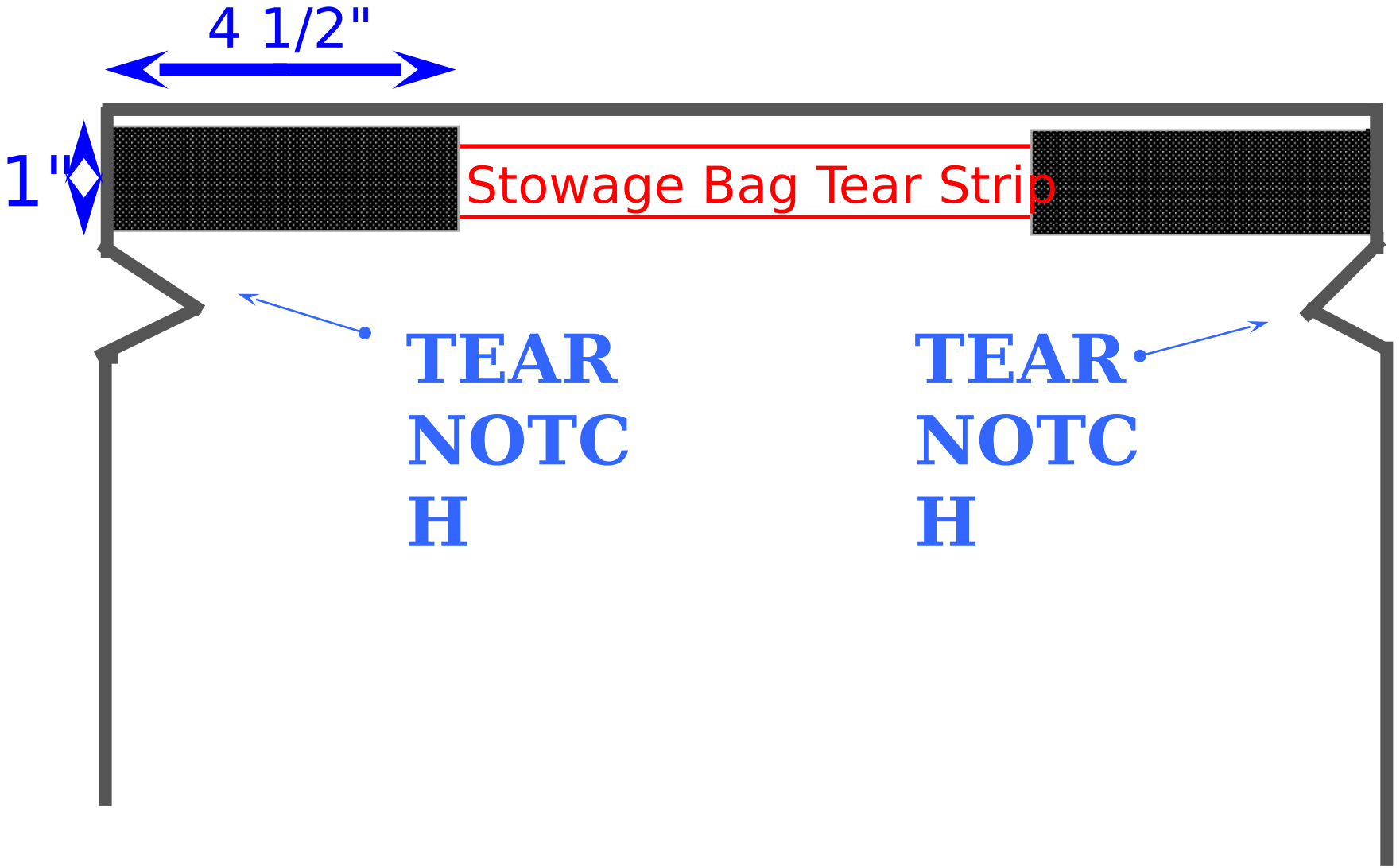
$$|10 - 84|$$
$$60$$

Required Modification to humidity card



Marks must be visible through inspection window

Required Modification to Vacuum Bag



Supplemental Emergency Egress Device

(SEED)

SEED Overview

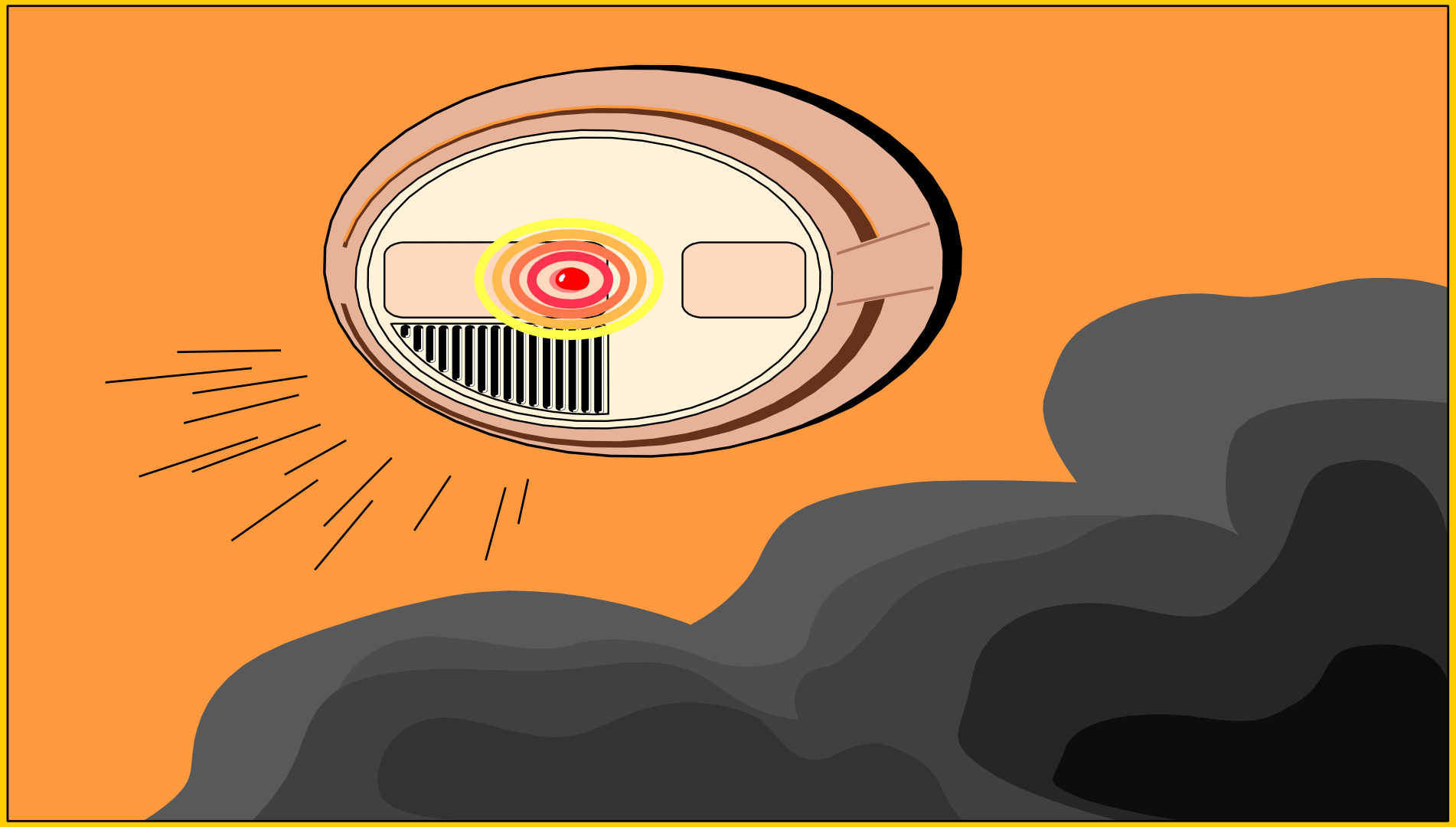
- NOT a replacement of the EEBD
- Used only in Engineering Spaces
- Provides 30 breaths of air (1-3 MIN.)

SEED Overview

- SINGLE STAGE REGULATOR ALWAYS PRESSURIZED
- SEED OUTFITTING = TO NUMBER OF PERSONNEL IN PROPULSION DIVISION
- READ PRESSURE ON PRESSURE GAGE - GREEN or RED
- STORED IN LOCKED CABINET

IMPROVED SEED HOLSTER

- Covered holsters
- Includes protective flap
  - Protects regulator
  - Allows viewing of pressure indicator
  - Secured with hook & pile fastener
  - Allows more rapid removal



Emergency Egress

KNOW YOUR WAY AROUND -- EVEN IN THE DARK!